

ILLINOIS

WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
REPORTING SERVICE**

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STATISTICAL REPORTING SERVICE USDA
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CROP HI-LITES

*** Corn - 92% planted
*** Soybeans - 45% planted
*** Wheat - 30% headed
*** Soil Moisture - 65% short
35% adequate

CORN planting was reported as 92% complete as of Sunday, May 16. This compares with 62% last year and 66% for the 5-year average (1977-81).

Planting of SOYBEANS was 45% complete on May 16 compared to 9% last year and an average of 27%.

WINTER WHEAT on Friday, May 14, was reported as 2% excellent, 68% good, 29% fair, and 1% poor. Thirty percent of the crop was headed by May 16 compared to 78% last year and an average of 41%.

The OATS crop on May 14 was reported as 1% excellent, 64% good, 28% fair and 7% poor.

ALFALFA, as of May 14, was reported as 4% excellent, 73% good, 22% fair and 1% poor. About 5% of the first cutting was complete on May 16 compared to 13% last year and an average of 7%.

PASTURES on May 14 were reported as 3% excellent, 68% good and 29% fair.

SOIL MOISTURE was reported as 65% short and 35% adequate on May 14. Scattered thunderstorms on Saturday and Sunday provided some additional topsoil moisture but it was localized. Some areas received an inch while other areas received no rainfall.

There were 6.50 DAYS SUITABLE FOR FIELDWORK for the week ending May 14.

MAIN ACTIVITIES were preparing the soil for planting, planting corn and soybeans and applying herbicides.

WEATHER

TEMPERATURES for the period of May 10 through 16 averaged from 10 to 14 degrees above normal in the northern two-thirds of the State and from 4 to 8 degrees above normal in the South. A warming trend continued for the second straight week sending maximum temperatures into the upper 80's, setting a few new records.

PRECIPITATION was light to moderate in most sections as amounts ranged from traces to 1.50 inch. Scattered thunderstorms gave localized areas more than 1 inch while other portions received no rainfall.

The OUTLOOK for the period of May 17 through May 24 is for temperatures to be above normal and precipitation to be near normal.

The EXTENDED OUTLOOK for May 15 through June 15 is for temperatures to be above normal and precipitation below normal.

APRIL WEATHER SUMMARY

Average monthly TEMPERATURES ranged from 3 to 6° below normal throughout the State. The Central District had the largest below normal variation (6.1 degrees below normal). A cool trend which started in the first week of March continued in the North through the first half of April. During the second week, many new minimum temperature records were set in many areas as readings fell below zero in the North. In the third week, readings went above normal in the State sending maximum readings into the 80's in the South for a brief period.

PRECIPITATION was below normal in every district of the State. The largest below normal variation was in the Southeast District. During the first three weeks, precipitation was moderate to heavy in most sections. Some local areas received more than 1.50 inches of rain during a 24-hour period in the third week. A dry period set in during the last part of the month.

During the first week, 3 to 9 inches of snow fell on the northern sections of the State on the 5th. On the 8th 1 to 3 more inches of snow fell in the same area.

SOIL MOISTURE MEASUREMENTS

Soil moisture is measured each week by the Illinois State Water Survey at a site near Bondville (Champaign County). As of May 10, soil moisture in the moderately well-drained Flanagan soil in the total column from the surface to about 7 feet decreased from 74% of Potential Plant Available Moisture (PPAM) to 67%. Between the surface and 4 inches depth, the moisture dropped from 43% of PPAM to 23%. Total moisture from the surface to 20 inches decreased from 5.5 inches to 4.8 inches from May 3 until May 10. Rainfall amounted to 0.35 inch during the week, but the upper layers of the soil continue to dry.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % planted (as of May 16)	83	95	95	98	99	95	90	85	85	92	66
Soybeans: % planted (as of May 16)	35	40	50	45	45	50	50	45	30	45	27
Days suitable for fieldwork: (week ending May 14)	6.5	7.0	7.0	7.0	7.0	7.0	6.5	6.0	5.5	6.50	
Soil moisture %: (as of May 14)											
Short	35	85	85	85	90	70	65	35	15	65	
Adequate	65	15	15	15	10	30	35	65	85	35	
Surplus	--	--	--	--	--	--	--	--	--	--	

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Illinois Weather & Crops
May 17, 1982

ILLINOIS WEATHER

PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
April	3.22	3.35	2.84	4.04	3.28	2.68	2.48	2.52	2.51
Departure	-0.49	-0.36	-1.19	-0.20	-0.85	-1.21	-1.52	-1.67	-1.80

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	March	April	April 27- May 3	May 4- 10	May 11- 17
Chicago	-1	-4	-2	10	13
Peoria	0	-5	2	9	13
Springfield	+1	-5	0	8	12
St. Louis	+3	-4	-2	6	6

Week ending Monday, 6 A.M., May 17									
Station	Temperatures			Growing degree days 1/					
	Maxi-	Mini-	Aver-	Current	3-yr.	Totals	Totals		
	mum	mum	age	week	av. 2/	1981	1982		
Moline	85	53	72.4	158	373	394	477		
Rockford	92	56	72.8	153	311	324	436		
Chi. O'Hare	92	50	71.0	142	317	357	408		
Quincy	84	58	71.4	149	432	451	448		
Decatur	86	53	70.5	143	401	450	440		
Peoria	89	59	74.4	168	374	420	498		
Waukega	89	54	72.4	152	37	303	419		
Springfield	89	55	74.8	162	445	515	522		
Brownstown	86	56	70.1	142	37	473	456		
St. Louis	86	55	72.0	154	530	623	542		
Dixon Springs	88	48	71.2	148	37	592	544		

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Previous years' data are not available.

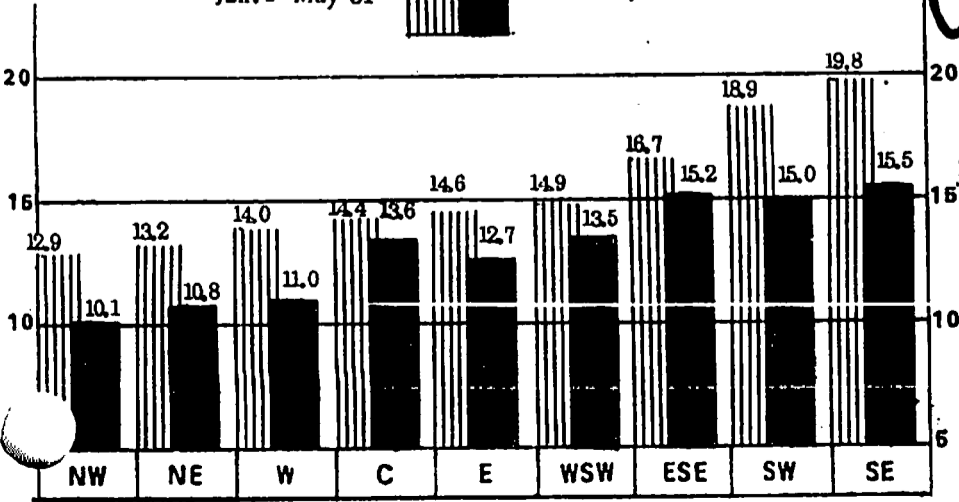
Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION
(Inches)

LEGEND: Normal Actual

Jan. 1 - May 31

Jan. 1 - May 17



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PRECIPITATION:
First figure--Current week, May 11-17
Parentheses--Previous week
M--Missing. T--Trace.

